ROHIT KUMAR MANDAL

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Summary

Detail-oriented Computer Engineering graduate skilled in **full-stack development**, **mobile app development**, and **real-time data-driven applications**. Experienced in building production-level platforms for trading, e-commerce, and analytics using Flutter, React.js, and Python. Strong foundation in API design, state management, UI/UX principles, and scalable software architecture. Adept in agile workflows and passionate about creating reliable, user-centric digital solutions.

Education

Bachelor of Engineering in Computer Engineering   Expected Feb 2026

Kathmandu University School of Engineering, Dhulikhel, Nepal

- **Relevant Coursework:** OOP, DSA, Web Tech, DBMS, Mobile App Dev, Software Engineering, Machine Learning, Computer Networks.

Experience

Software Developer   Mar 2025 – Sep 2025

WEBMINIX TECHNOLOGY FZE LLC (Remote)

- Developed and optimized core modules for financial trading apps (ForexDana, MT5-style platforms) using Flutter.
- Integrated real-time forex/stock data via WebSockets, improving system responsiveness and analytical capabilities.
- Built and consumed secure REST APIs to support trading logic, market feeds, and user operations.
- Contributed to agile sprints, code reviews, debugging, and feature iterations to ensure timely, high-quality releases.

Part-Time Flutter & React Developer   Oct 2024 – Feb 2025

Grow More Technology Pvt. Ltd., Lalitpur, Nepal

- Built production-ready mobile applications with Flutter, ensuring smooth UI and efficient performance.
- Developed responsive web interfaces using React.js with clean component structures and API integrations.
- Participated in code reviews and sprint cycles, enhancing workflow efficiency and team collaboration.
- Improved UI/UX flows and provided technical guidance during development cycles.

Technical Skills

- **Languages:** Dart, JavaScript, Python
- **Mobile:** Flutter, Android SDK
- **Web:** React.js, Node.js, Express.js, REST APIs, HTML/CSS, Tailwind, Material UI
- **Database:** MySQL, PostgreSQL, MongoDB, Firebase, SQLite
- **Tools:** Git, VS Code, Postman, Jira, Docker (Basic)
- **Concepts:** OOP, DSA, UI/UX, Cloud (Firebase), JWT Auth, Software Architecture

Projects

Forex Dana Clone — *Mobile forex trading visualization app*
- **Tech:** Flutter, WebSockets, Firebase, Syncfusion Charts
- Developed interactive charts, order modules, and integrated low-latency market feeds.
- **Link:** GitHub Repo

MetaTrader Clone — *Flutter-based market analysis and simulated forex trading*
- **Tech:** Flutter, Dart, Firebase, REST APIs, WebSockets
- Built a MetaTrader-style trading interface with real-time price feeds, interactive candlestick charts, and technical indicators (SMA, EMA, RSI, MACD).
- Designed multi-screen UI/UX optimized for cross-platform deployment (Android, iOS, Web).
- **Link:** GitHub Repo

Emotion / Sentiment Analysis — *ML-based sentiment classifier*
- **Tech:** Python, NLTK, Scikit-learn, Flask
- Built preprocessing pipeline, trained ML models, and deployed via Flask UI.
- **Links:** Emotion Detector | Sentiment Analysis

E-Commerce Platform — *Product management, cart, authentication*
- **Tech:** MERN Stack, REST APIs
- Built product CRUD, JWT auth, cart features, and Stripe payments.
- **Links:** ECOMMERCE | E_Basket

Stonk Watch — *Stock data visualization dashboard*
- **Tech:** React, Flask, Alpha Vantage API
- Implemented live/historical charts, performance metrics, and user watchlists.
- **Link:** GitHub Repo

Diabetic Retinopathy Detection — *Deep learning–based retinal image classifier*
- **Tech:** Python, TensorFlow/Keras (ResNet50), Gradio, PIL, NumPy
- Built a web-based classifier to detect diabetic retinopathy from retinal scan images.
- Developed a simple Gradio interface for image upload and real-time predictions.
- **Link:** GitHub Repo

Languages

- **Nepali:** Native
- **English:** Professional Proficiency
- **Hindi:** Basic